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Asrock 970 Extreme4 (90-MXGIP0-A0UAYZ)

970 Extreme4 - Socket AM3+, AMD Phenom II X6/X4/X3/X2/Athlon II X4/X3/X2/Sempron, 4.8 GT/s, DDR3 2100/1866/1800/1600/1333/1066/800 MHz, Gigabit Ethernet, SATA 6.0 Gb/s, USB 3.0, ATX

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Price details:

Price excl. VAT: 84.52 €
Eco fees: 0.08 €
VAT 21 %: 17.77 €

Product details:

Product code: 90-MXGIP0-A0UAYZ
EAN: 4711140877655
Manufacturer: Asrock

102.37 €

* VAT included

- ASRock Dura Cap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors;
- Digi Power, Supports AM3+ Processor, 8-Core CPU;
- Supports Dual Channel DDR3 2100(OC);
- Supports AMD Quad CrossFireX, 3-Way CrossFireX and CrossFireX;
- Supports NVIDIA® SLI;
- 4 x USB 3.0, 5 x SATA3, 2 x IEEE 1394, Dr. Debug, Power/Reset/Clear CMOS Switch with LED;
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Supports THX TruStudio;
- Supports ASRock XFast RAM, XFast LAN, XFast USB Technologies;
- Supports Graphical UEFI, On/Off Play, Instant Boot, Instant Flash, APP Charger, Turbo UCC;
- Free Bundle : CyberLink MediaEspresso 6.5 Trial.

AM3+ 8-Core Processor Support
This board is designed to build up the most powerful system and delivers the most demanding technology for users nowadays. Just enjoy next generation computing with ASRock 8-Core CPU Ready motherboard.

Digi Power

More Precise, More Efficient
By adopting digital pulse-width modulation (PWM), the ASRock motherboard can provide CPU Vcore voltage more efficiently and smoothly. Compared to analog PWM, digital PWM can optimize the CPU power solution and provide a proper and stable Vcore for the processor.

C.C.R. (Combo Cooler Retention Module)
The unique combo cooler retention module greatly improves heat dissipation and is backward compatible with AMD previous AM3/AM2+ coolers.

On/Off Play Technology
Even when the system is powered off (in ACPI S5 mode), On/Off Play Technology still allows users to enjoy the great audio experience from the portable audio devices through the PC speaker.

Graphical UEFI - The Revolutionary BIOS Interface
Unified Extensible Firmware Interface (UEFI) is a revolutionary BIOS utility which offers tweak-friendly options in an advanced viewing interface. Compared with traditional BIOS design, the latest UEFI utility provides lots improved functions. The major features of UEFI include:
1. Graphical Visual Experience - UEFI provides an improved visual interface with colorful icons and makes your computing environment more versatile to replace the traditional dull BIOS page.
2. Mouse Enabling - Besides keyboard control, you can freely use mouse to select your ideal settings in UEFI as well.
3. Supports 3TB bootable HDD - UEFI breaks the limitations of 2TB bootable HDD on traditional BIOS. With UEFI, you can enjoy 3TB bootable HDD size.

AXTU - The All-in-1 Tuning Software
ASRock Extreme Tuning Utility (AXTU) is an all-in-one software to fine-tune different features in an user-friendly interface, which includes Hardware Monitor, Fan Control, Overclocking, OC DNA and IES. In Hardware Monitor, it

shows the major readings of your system. In Fan Control, it shows the fan speed and temperature for you to adjust. In Overclocking, you are allowed to adjust the CPU frequency, ratio and some voltages for optimal system performance. In OC DNA, you can save your OC settings as a profile and share with your friends. Your friends then can load the OC profile to their own system to get the same OC settings. In IES (Intelligent Energy Saver), the voltage regulator can reduce the number of output phases to improve efficiency when the CPU cores are idle without sacrificing computing performance.

ATI CrossFireX Technology
CrossFireX is a brand name for ATI Technologies multi-GPU solution. The technology allows a pair of graphics cards to be used in a single computer to improve graphics performance.

NVIDIA® SLI Ready
SLI is a brand name for NVIDIA® multi-GPU solution. The technology allows a pair of graphics cards to be used in a single computer to improve graphics performance.

Free Bundle - Cyberlink MediaEspresso 6.5 Trial
CyberLink MediaEspresso 6.5 trial now supports hardware transcoding and is optimized to accelerate conversion of all your favorite media files for your favorite portable players. Now you can easily display your favorite movies, songs and photos on iPhone, iPad, PSP, Xbox, Youtube, Facebook etc. Compile, convert and enjoy images and songs as much as you want and enhance your videos to new levels with TrueTheater Technology. Try it today!

Turbo UCC

One Click for All-in-One Function!
Turbo UCC technology provides you an all-in-one solution to unlock the hidden cpu cores in the CPU, get the amazing system performance boost by auto-overclocking, and running the system in a certainly lower power consumption level as well. When you press "X" when switch on the computer, the system will automatically reboot itself, after that, the system will execute the Turbo UCC function. Enabling Turbo UCC, it will automatically help you to unlock the extra CPU core to enjoy an instant performance boost, and the system performance will boost up by overclocking CPU frequency, memory frequency and all related voltage settings! Different from normal high-energy consumption for overclocking or system upgrading process, ASRock Turbo UCC can allow an energy-saving overclocking or system upgrade computing operation!

ASRock App Charger

Fast Charge & Charge Anytime
Simply installing the App Charger driver, it makes your iPhone charge up to 40% faster than before. ASRock App Charger supports continuous charging when your PC enters Standby mode (S1), Suspend to RAM (S3), hibernation mode (S4) or power off (S5). The App Charger technology has been fully applied on ASRock Full series motherboards.

THX TruStudio
THX TruStudio is specially designed to bring the same great audio experience found in live performances, films, and recording studios to the PC.

Main specifications:

Memory

Supported memory types:	DDR3-SDRAM
Memory slots type:	DIMM
Memory channels:	Dual
Non-ECC:	Y
Supported memory clock speeds:	2100, 800, 1066, 1333, 1600, 1800, 1866 MHz
Maximum internal memory:	32 GB
Unbuffered memory:	Y
Memory slots:	4

Processor

Processor family:	AMD
Compatible processor series:	Athlon II X2, Athlon II X3, Athlon II X4, Phenom II X2, Phenom II X3, Phenom II X4, Phenom II X6, Sempron
Processor socket:	Socket AM3+
Processor system buses supported:	2400 MHz
System bus rate:	4.8 GT/s

Internal I/O

USB 2.0 connectors:	3
USB 3.0 connectors:	1

Supported hard disk drive interfaces:	Serial ATA III
S/PDIF out connector:	Y
CPU fan connector:	Y
Number of COM connectors:	1
ATX Power connector (24-pin):	Y
Chassis intrusion connector:	Y
Number of IEEE1394 connectors:	1
Front panel audio connector:	Y
Power fan connector:	Y
Number of SATA III connectors:	5
EPS power connector (8-pin):	Y

Back panel I/O ports

USB 2.0 ports quantity:	4
USB 3.0 ports quantity:	2
Ethernet LAN (RJ-45) ports:	1
eSATA ports quantity:	1
PS/2 ports quantity:	2
Firewire (IEEE 1394) ports:	1
Microphone in:	Y
S/PDIF out port:	Y
Digital audio optical out:	1

Networking

Ethernet LAN:	Y
Networking features:	Gigabit Ethernet
LAN controller:	Realtek RTL8111E
Ethernet interface type:	Fast, Gigabit

Performance

Component for:	PC
Motherboard chipset family:	AMD
Motherboard chipset:	AMD 970
Motherboard form factor:	ATX
Audio output channels:	7.1
RAID levels:	0, 1, 0+1, 5, JBOD
Audio system:	Realtek ALC892
Motherboard southbridge:	AMD SB950
Cooling type:	Passive
Certification:	FCC, CE, WHQL, ErP/EuP

Graphics

Parallel processing technology support:	3-Way CrossFireX, Quad-GPU CrossFireX
On-board graphics adapter:	N

Expansion slots

PCI Express x1 slots:	2
PCI Express x16 slots:	3
PCI-X slots:	2
PCI Express slots version:	2.0

BIOS

BIOS type:	AMI
BIOS memory size:	4 MB
ACPI version:	1.1
Clear CMOS button:	Y

Weight & dimensions

Width:	305 mm
Depth:	244 mm

Packaging content

Cables included:	SATA
Drivers included:	Y
Quick installation guide:	Y

Other features

Compatible operating systems:	Windows 8Windows 7Windows VistaWindows XP

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